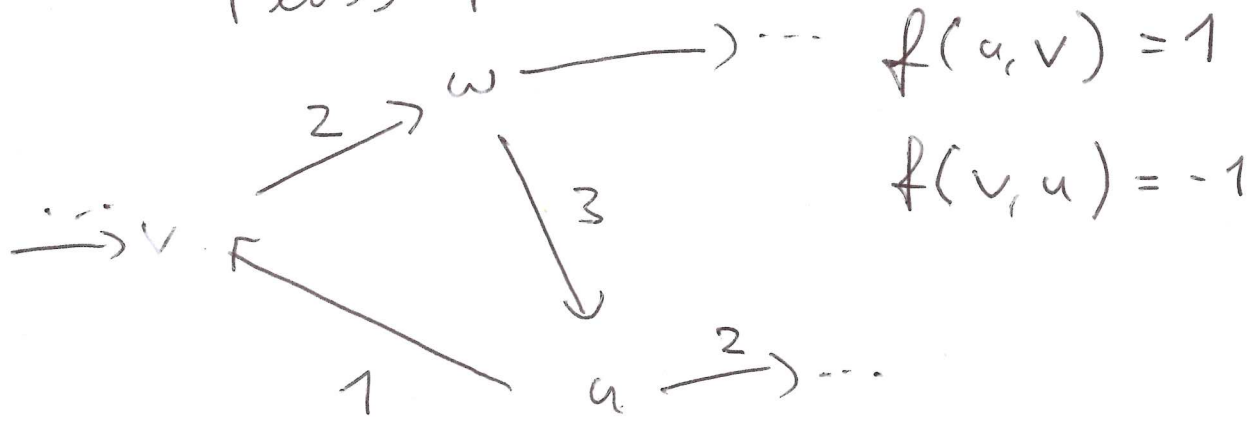


Fluss f



$$f(u, \{v, w\}) = f(u, v) + f(u, w) = 1 - 3 = -2$$

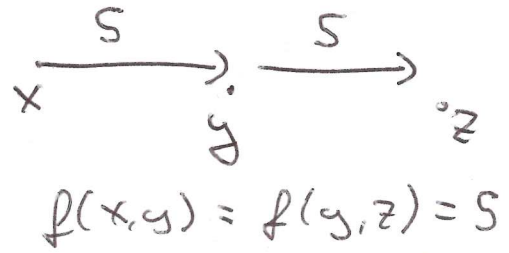
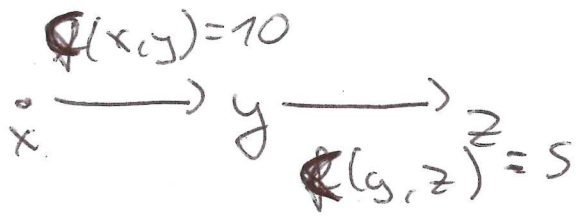
$$f(\{u, v\}, \{v, v\}) = \left. \begin{array}{l} f(u, u) = 0 \\ f(v, v) = 0 \\ f(u, v) = 1 \\ f(v, u) = 1 \end{array} \right\} 0$$

$$f(u, u) = -f(u, u) = 0$$

$$\sum_{x_2 \in X} \sum_{x_1 \in X} f(x_2, x_1)$$

Flussnetzwerk G

Fluss f

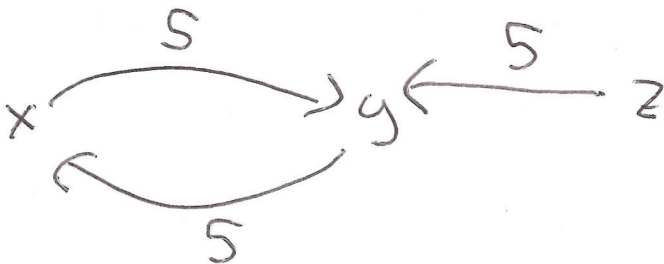


$$c_f(y,z) = \underbrace{c(y,z)}_5 - \underbrace{f(y,z)}_5 = 0$$

$$c_f(z,y) = \underbrace{c(z,y)}_0 - \underbrace{f(z,y)}_{-5} = 5$$

G_f

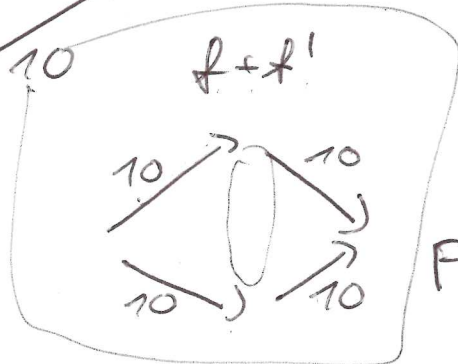
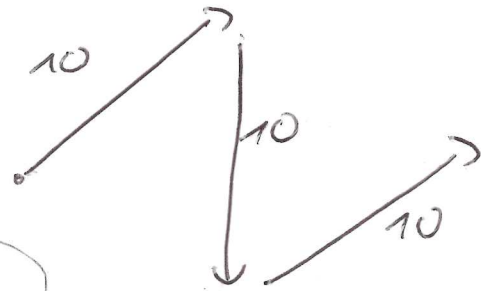
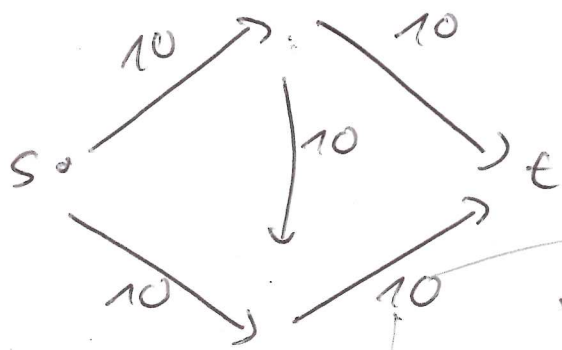
$$c_f(x,y) = c(x,y) - f(x,y) = 10 - 5 = 5$$



$$c_f(y,x) = c(y,x) - f(y,x) = 0 - (-5) = 5$$

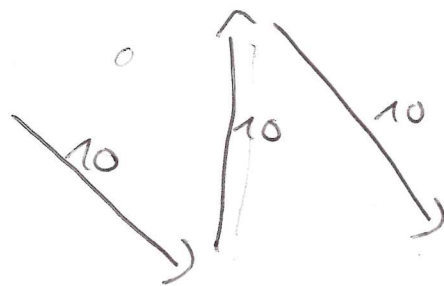
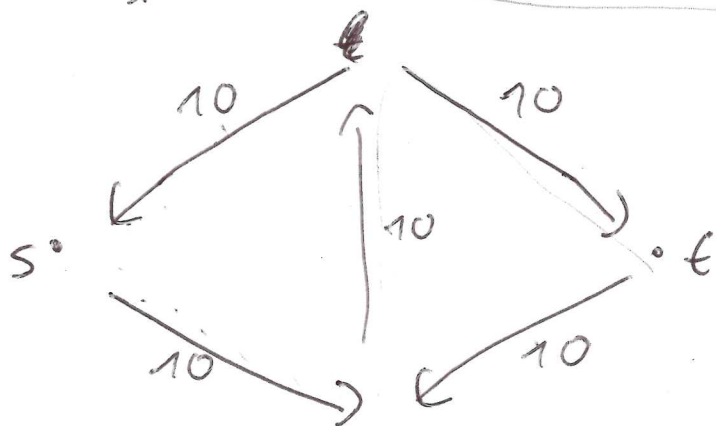
Netzwerk G

Fluss f



Fluss f' in G_f

G_f :



Gegeben: G

$$f = 0$$

finde aug. Pfad P in G

Fluss f_P über P

$$f + f_P$$

$$G := G_{f_P}$$